

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

**Listing of Claims:**

1-10. (Canceled)

1                   11.   (New) A method of managing positioning information for a plurality of  
2 nodes connected to a network, the method comprising:  
3                   receiving first routing information from a first node connected to said network,  
4 said first routing information containing positioning data for said first node, wherein said  
5 positioning data includes at least one of a predetermined position of said first node or data from a  
6 self-position detection unit of said first node;  
7                   receiving second routing information from a second node connected to said  
8 network, wherein said second routing information is absent positioning data for said second node  
9 and said second node does not include a self-position detection unit; and  
10                  calculating positioning data for said second node according to a predetermined  
11 equation using said first and second routing information.

1                   12.   (New) The method of claim 11 further comprising:  
2                   displaying a first symbol representative of a position of said first node using  
3 positioning data included in said first routing information; and  
4                   displaying a second symbol representative of a position of said second node using  
5 positioning data calculated according to said predetermined equation.

1                   13.   (New) The method of claim 12 wherein said first and second routing  
2 information include distance information, wherein said distance information is used in  
3 calculating positioning data for said second node.

1                   14.   (New) The method of claim 14 wherein said distance information is a  
2 number of hops.

1                   15.   (New) The method of claim 13 wherein a distance over which said second  
2 node can communicate wirelessly with other nodes is used as a coefficient in said predetermined  
3 equation.

1                   16.   (New) The method of claim 12 further comprising connecting said first  
2 and second symbols with a line if said first and second nodes can communicate with each other.

1                   17.   (New) A system for managing positioning information for a plurality of  
2 nodes connected to a network, the system comprising:  
3                   a position determining unit configured to receive first routing information from a  
4 first node connected to said network, said first routing information containing positioning data  
5 for said first node, wherein said positioning data includes at least one of a predetermined position  
6 of said first node or data from a self-position detection unit of said first node; and

7                   a display unit configured to display a first symbol representative a position of said  
8 first node and a second symbol representative a position of said second node,

1                   said position determining unit further configured to receive second routing  
2 information from a second node connected to said network, wherein said second routing  
3 information does not contain positioning data for said second node and said second node does  
4 not include a self-position detection unit,

5                   said position determining unit further configured to calculate positioning data for  
6 said second node according to a predetermined equation using said first and second routing  
7 information, thereby determining said position of said second node.

8                   18.   The system of claim 17 wherein said display unit displays a line between  
9 said first symbol and said second symbol if said first and second nodes can communicate with  
10 each other.

1                   19.   (New) The system of claim 18 wherein said position determining unit is  
2 further configured to receive routing information from each node in said plurality of nodes  
3 connected to said network.

- 1                   20.   (New) The system of claim 19 wherein said routing information received
- 2   from each node in said plurality of nodes includes positioning data for nodes having self-position
- 3   detection units.